```
countries = ['USA', 'Canada', 'UK', 'Australia', 'Japan']
ticket_prices = [500, 350, 400, 600, 700]
GST_RATE = 18
total seats = 36
window_seats = 8
regular seats = total seats - window seats
seats_available = [0] * total_seats
food_prices = [50, 30, 70]
def calculate_total_price(price):
  gst = (price * GST_RATE) / 100
  total_price = price + gst
  return total_price, gst
def calculate_food_price(selected_foods):
  total_food_price = sum([food_prices[i] for i in
selected_foods])
  gst_food = (total_food_price * GST_RATE) / 100
  total_food_price_with_gst = total_food_price + gst_food
  return total_food_price_with_gst, gst_food
def book_ticket():
  print("Welcome to Air! Ticket Booking System.\n")
  while True:
    try:
       print("\nAvailable Seats (Total 36 Seats):")
       available = False
       for i in range(total_seats):
         if seats_available[i] == 0:
           seat_type = "Window Seat" if i < window_seats</pre>
else "Regular Seat"
           print(f"Seat {i + 1} - {seat_type}")
           available = True
```

```
if not available:
         print("Sorry, all seats are fully booked.")
         break
       user_choice = int(input("\nEnter the seat number you
want to book (1-36) or -1 to exit: "))
       if user choice == -1:
         print("Exiting the booking system... Thank you for
using Air!")
         break
       if user_choice < 1 or user_choice > total_seats:
         print("Invalid choice. Please enter a seat number
between 1 and 36.")
         continue
       seat_index = user_choice - 1
       if seats_available[seat_index] == 1:
         print(f"\nSorry, Seat {user_choice} is already
booked!")
         arrange_choice = input("Would you like to choose
another seat? (yes/no): ").strip().lower()
         if arrange_choice == "yes":
           continue
         elif arrange_choice == "no":
           print("Exiting ticket booking...\n")
           break
         else:
           print("Invalid input. Please choose 'yes' or 'no'.")
           continue
       price = ticket_prices[0]
       total_price, gst = calculate_total_price(price)
       print(f"\nBooking details for Seat {user_choice}:")
```

```
print(f"Base Ticket Price: ${price}")
       print(f"GST ({GST_RATE}%): ${gst:.2f}")
       print(f"Total Price: ${total_price:.2f}")
       food_choice = input("\nWould you like to add food to
your booking? (yes/no): ").strip().lower()
       total_food_price = 0
       gst_food = 0
       if food_choice == "yes":
         print("\nAvailable Food Options:")
         for i, food in enumerate(["Sandwich", "Snack",
"Drink"]):
            print(f"{i + 1}. {food} - ${food_prices[i]}")
         selected_foods = input("\nEnter the numbers of the
food items you want to add (comma separated, e.g. 1,3): ")
         selected_foods = [int(x.strip()) - 1 for x in
selected_foods.split(",") if x.strip().isdigit()]
         total_food_price_with_gst, gst_food =
calculate_food_price(selected_foods)
         total_food_price = total_food_price_with_gst
         print(f"\nFood Order Details:")
         for i in selected foods:
            print(f"{['Sandwich', 'Snack', 'Drink'][i]} - $
{food_prices[i]}")
         print(f"Total Food Price (including GST): $
{total_food_price:.2f}")
       total_price += total_food_price
       total_gst = gst + gst_food
       print(f"\nFinal Booking Details:")
       print(f"Total Ticket Price: ${total_price:.2f} (Including)
GST)")
```

```
confirmation = input("Do you want to confirm the
booking? (yes/no): ").strip().lower()
    if confirmation == 'yes':
        seats_available[seat_index] = 1
        print(f"Booking confirmed for Seat {user_choice}.
Total amount charged: ${total_price:.2f}\n")
    elif confirmation == 'no':
        print("Booking cancelled.\n")
    else:
        print("Invalid response, please enter 'yes' or 'no'.")
        continue
    except ValueError:
        print("Invalid input. Please enter a valid number.")
        continue
book_ticket()
```